



These flexible multicore cables are designed for control applications in elevators, machine tools and other machinery where the strain support is needed to relieve stress. Not recommended for drum reeling applications or for use under tensile load.

Suitable for installation indoors, outdoors and under arduous conditions.

Construction

- stranded plain copper conductors
- ethylene-propylene (EPR) core insulation
- central strain cord (usually hemp) and/or taping with load carrying thread
- black neoprene (PCP) rubber outer sheath

Technical

| | |
|----------------------|--|
| conductor stranding: | according to class 5/6 (VDE 0295 / IEC 60228 / BS EN 60228:2005) |
| bend radius: | 12.5x overall diameter (O/D) fixed, 20x O/D flexing |
| voltage rating: | 300/500 V operating, 3000V test |
| current rating: | see Flat, Crane & Drum Reeling chart |
| temperature range: | -25°C to +60°C flexing, -40°C to +80°C fixed, +90°C at conductor |
| standards: | construction generally according to DIN VDE 0250 |
| | flame retardant according to IEC 60332-1 |
| core identification: | 2 cores = coloured to VDE 0293 without green/yellow earth |
| | 3-5 cores = coloured to VDE 0293 including green/yellow earth |
| | 6+ cores = numbered black cores including green/yellow earth |

| Conductors | | Cable Overall | | Conductors | | Cable Overall | |
|------------|-------------------------|---------------|----------------|------------|-----------|---------------|----------------|
| Number of | Area (mm ²) | Diameter (mm) | Weight (kg/km) | Number of | Number of | Diameter (mm) | Weight (kg/km) |
| 2 | 1.0 | 7.5 | 91 | 19 | 1.0 | 21.0 | 565 |
| 3 | 1.0 | 8.5 | 116 | 20 | 1.0 | 21.5 | 590 |
| 4 | 1.0 | 9.3 | 142 | 24 | 1.0 | 22.1 | 650 |
| 5 | 1.0 | 10.9 | 171 | 30 | 1.0 | 24.6 | 785 |
| 6 | 1.0 | 12.9 | 187 | 36 | 1.0 | 26.7 | 930 |
| 7 | 1.0 | 13.4 | 230 | 37 | 1.0 | 30.5 | 950 |
| 9 | 1.0 | 14.7 | 281 | 48 | 1.0 | 30.5 | 1245 |
| 12 | 1.0 | 17.2 | 422 | 50 | 1.0 | 32.6 | 1296 |
| 16 | 1.0 | 17.8 | 430 | 54 | 1.0 | 33.0 | 1430 |
| 18 | 1.0 | 19.4 | 475 | 61 | 1.0 | 35.6 | 1580 |

| Conductors | | Cable Overall | | Conductors | | Cable Overall | |
|------------|-------------------------|---------------|----------------|------------|-----------|---------------|----------------|
| Number of | Area (mm ²) | Diameter (mm) | Weight (kg/km) | Number of | Number of | Diameter (mm) | Weight (kg/km) |
| 2 | 1.5 | 8.3 | 108 | 11 | 2.5 | 22.8 | 638 |
| 3 | 1.5 | 9.2 | 141 | 12 | 2.5 | 23.7 | 770 |
| 4 | 1.5 | 10.9 | 200 | 16 | 2.5 | 24.4 | 813 |
| 5 | 1.5 | 12.0 | 230 | 18 | 2.5 | 25.3 | 891 |
| 6 | 1.5 | 13.3 | 245 | 19 | 2.5 | 26.5 | 946 |
| 7 | 1.5 | 14.0 | 309 | 24 | 2.5 | 27.5 | 1221 |
| 8 | 1.5 | 14.8 | 333 | 36 | 2.5 | 33.3 | 1737 |
| 9 | 1.5 | 16.3 | 375 | 37 | 2.5 | 40.8 | 1784 |
| 10 | 1.5 | 17.8 | 427 | 48 | 2.5 | 41.9 | 2500 |
| 11 | 1.5 | 19.6 | 458 | 50 | 2.5 | 43.3 | 2630 |
| 12 | 1.5 | 20.3 | 557 | 61 | 2.5 | 49.3 | 3100 |
| 13 | 1.5 | 21.1 | 571 | | | | |
| 15 | 1.5 | 21.8 | 590 | 3 | 4.0 | 13.6 | 372 |
| 18 | 1.5 | 22.2 | 630 | 4 | 4.0 | 16.2 | 407 |
| 19 | 1.5 | 22.9 | 670 | 5 | 4.0 | 17.0 | 433 |
| 24 | 1.5 | 24.7 | 825 | 7 | 4.0 | 21.5 | 495 |
| 37 | 1.5 | 28.0 | 1220 | | | | |
| 42 | 1.5 | 31.0 | 1380 | 3 | 6.0 | 13.9 | 380 |
| 48 | 1.5 | 34.9 | 1510 | 4 | 6.0 | 16.8 | 528 |
| 50 | 1.5 | 36.7 | 1642 | 5 | 6.0 | 19.2 | 569 |
| 61 | 1.5 | 41.8 | 1950 | 7 | 6.0 | 21.1 | 702 |
| | | | | | | | |
| 2 | 2.5 | 9.8 | 145 | 3 | 10.0 | 18.1 | 530 |
| 3 | 2.5 | 10.3 | 173 | 4 | 10.0 | 21.2 | 725 |
| 4 | 2.5 | 11.5 | 242 | 5 | 10.0 | 23.6 | 923 |
| 5 | 2.5 | 12.7 | 289 | 7 | 10.0 | 27.4 | 1288 |
| 6 | 2.5 | 14.5 | 318 | | | | |
| 7 | 2.5 | 15.7 | 383 | 3 | 16.0 | 21.3 | 865 |
| 8 | 2.5 | 16.7 | 451 | 4 | 16.0 | 25.3 | 1028 |
| 9 | 2.5 | 20.2 | 542 | 5 | 16.0 | 27.2 | 1260 |

PCP Rubber (Polychloroprene) Properties: this self-extinguishing compound, also known as or Neoprene has excellent resistance to oxygen, UV, ozone & water and very good resistance to acids, alkalis & solvents. It has good abrasion resistance but has poor fuel resistance, poor tear resistance and low gas permeability.

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